

•      **DEVICE FOR ANALYZING A FLUID SAMPLE**

**ABSTRACT OF THE DISCLOSURE**

The present invention provides a cartridge for analyzing a fluid  
5 sample. The cartridge provides for the efficient separation of  
cells or viruses in the sample from the remaining sample fluid,  
lysis of the cells or viruses to release the analyte (e.g.,  
nucleic acid) therefrom, and optionally chemical reaction and/or  
detection of the analyte. The cartridge is useful in a variety of  
10 diagnostic, life science research, environmental, or forensic  
applications for determining the presence or absence of one or  
more analytes in a sample.

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